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1 5. A system for managing memory in a computer system, comprising:
2 a plurality of relocation blocks located at a plurality of locations; wherein a
3 set of relocation blocks is divided from a memory page;
4 a relocation table having a plurality of entries used to locate the relocation
5 blocks at the plurality of locations; and
6 means for using the relocation table to convert an address of the memory
7 page to a relocation address of a relocation block containing the
8 data intended for a memory access.

1 6. The system of claim 5 wherein the address of the memory page was translated
2 from a virtual address of the data.

1 7. The system of claim 5 further comprises means for allocating the plurality of
2 relocation blocks corresponding to the memory page upon receiving the address of
3 the memory page.

1 8. The system of claim 7 wherein each entry of the plurality of entries corresponds to
2 a particular location of a relocation block.

1 9. A computer-readable medium embodying instructions that cause a computer to
2 perform a method for managing memory in a computer system, the method
3 comprising the steps of:
4 for at least one memory page,
5 dividing the page into a plurality of relocation blocks, and
6 placing the plurality of relocation blocks at a plurality of locations;
7 and

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using a relocation table having a plurality of entries to locate the relocation blocks at the plurality of locations;

wherein, upon a memory access, using the relocation table to convert an address of the memory page to a relocation address of a relocation block containing the data intended for the memory access.

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10. The computer-readable medium of claim 9 wherein the method further comprises the step of converting a virtual address of the data to the address of the memory page.

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11. The computer-readable medium of claim 9 wherein the method further comprises the step of allocating the plurality of relocation blocks corresponding to the memory page upon receiving the address of the memory page.

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12. The computer-readable medium of claim 11 wherein the method further comprises the step of corresponding each entry of the plurality of entries to a particular location of a relocation block.

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